

DERWENT-ACC-NO: 1996-231590
DERWENT-WEEK: 199624
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TITLE: Nucleic acid assembly contg. information that represents numbers - and similar assembly of natural or synthetic particles, used for internal characterisation of samples and objects

INVENTOR: KRAUSE, D; SZIBOR, R

PATENT-ASSIGNEE: KRAUSE D[KRAUI], SZIBOR R[SZIBI]

PRIORITY-DATA: 1994DE-4439896 (November 8, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4439896 A1	May 9, 1996	N/A	013	C12Q 001/68

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 4439896A1	N/A	1994DE-4439896	November 8, 1994

INT-CL (IPC): C07H021/00; C12Q001/68 ; G01N033/58 ; G06K009/00

ABSTRACTED-PUB-NO: DE 4439896A

BASIC-ABSTRACT: New nucleic acid, suitable for internal characterisation of medical, biological or chemical samples, or of various types of prods., contains, by a combination of an ensemble of mols, the formation needed to represent numbers.

Also claimed are systems for the same purpose comprising: (a) nucleic acid constructs in which the mols. have multiple binding sites for 1 primer pair, the arrangement of which is such that amplification of an ensemble of mols. is possible, and this can then be used to determine a numerical code, or (b) an assortment of natural or synthetic particles which, through the combination of particle ensembles give the information for representing numbers.

USE - The prods. can be used e.g. to characterise a blood sample (to detect incorrect labelling or sample-to-sample contamination) or works of art; to indicate prodn. or expiry dates; to characterise crops or fish catches; to

identify the source of oil spills.

ADVANTAGE - The compsns. are universally applicable and easy to read.

CHOSEN-DRAWING: Dwg.2/4

TITLE-TERMS:

NUCLEIC ACID ASSEMBLE CONTAIN INFORMATION REPRESENT NUMBER
SIMILAR ASSEMBLE
NATURAL SYNTHETIC PARTICLE INTERNAL CHARACTERISTIC SAMPLE
OBJECT

DERWENT-CLASS: B04 D16 J04 S03

CPI-CODES: B04-E01; B12-K04; D05-H09; D05-H10; D05-H12D1; D05-H18B;
J04-B01B;

EPI-CODES: S03-E14H;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M710 M903 P831 Q233 Q435 V753

Chemical Indexing M1 *02*

Fragmentation Code

M750 M903 N102 Q233 Q435 V600 V615

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-073275

Non-CPI Secondary Accession Numbers: N1996-194331

PAT-NO: DE004439896A1

DOCUMENT-IDENTIFIER: DE 4439896 A1

TITLE: Nucleic acid assembly contg. information that represents numbers

PUBN-DATE: May 9, 1996

INVENTOR-INFORMATION:

NAME	COUNTRY
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APPL-NO: DE04439896

APPL-DATE: November 8, 1994

PRIORITY-DATA: DE04439896A (November 8, 1994)

INT-CL (IPC): C12Q001/68;G06K009/00 ;G01N033/58 ;C07H021/00

ABSTRACT:

New nucleic acid, suitable for internal characterisation of medical, biological or chemical samples, or of various types of prods., contains, by a combination of an ensemble of mols, the formation needed to represent numbers. Also claimed are systems for the same purpose comprising: (a) nucleic acid constructs in which the mols. have multiple binding sites for \- 1 primer pair, the arrangement of which is such that amplification of an ensemble of mols. is possible, and this can then be used to determine a numerical code, or (b) an assortment of natural or synthetic particles which, through the combination of particle ensembles give the information for representing numbers.

L Number	Hits	Search Text	DB	Time stamp
26	239	(427/7).CCLS.	USPAT; US-PGPUB	2002/12/02 00:08
27	2	((427/7).CCLS.) and RNA	USPAT; US-PGPUB	2002/12/02 00:09
28	5	((427/7).CCLS.) and DNA	USPAT; US-PGPUB	2002/12/02 01:08
30	2	de-4439896-\$.did.	EPO; DERWENT	2002/12/02 01:07
32	1	(((427/7).CCLS.) and DNA) and (PCR or (polymerase adj chain adj reaction))	USPAT; US-PGPUB	2002/12/02 01:09
33	1	(((427/7).CCLS.) and DNA) and polymerase	USPAT; US-PGPUB	2002/12/02 01:11
34	1	("5643728").PN.	USPAT; US-PGPUB	2002/12/02 01:13
35	25518	(DNA or RNA) and PCR and mark\$3	USPAT; US-PGPUB	2002/12/02 01:14
36	57	((DNA or RNA) and PCR and mark\$3) and authenticat\$3	USPAT; US-PGPUB	2002/12/02 01:42
37	12	((DNA or RNA) and PCR and mark\$3) and counterfeit\$3 not (((DNA or RNA) and PCR and mark\$3) and authenticat\$3)	USPAT; US-PGPUB	2002/12/02 01:45
38	0	("5429952" or "5942444").pn. and PCR	USPAT; US-PGPUB	2002/12/02 01:52
39	1	wo-9014441-\$.did.	EPO; DERWENT	2002/12/02 02:01
40	2	wo-9107265-\$.did.	EPO; DERWENT	2002/12/02 02:01